Abstract

A gas generator [[(30)]] is provided with a metal housing [[(3)]] constituted by an initiator shell [[(1)]] and a closure shell[[(2)]], a combustion chamber [[(5)]] which is formed inside the housing [[(3)]] and into which gas generants [[(4)]] generating a high-temperature gas through combustion are loaded, a filter member [[(6)]] disposed around the combustion chamber[[(5)]], an igniter [[(7)]] mounted into the housing [[(3)]] and igniting and burning the gas generants [[(4)]] inside the combustion chamber [[(5)]] and a plurality of gas discharge openings [[(8a, 8b)]] formed on the housing [[(3)]] and discharging the gas generated in the combustion chamber ~~(5),~~

~~and in which either or both of the initiator shell (1) and the closure shell (2) constituting the housing (3) are provided with semi-spherical or semi-oval end plate portions (14, 10) and cylindrical portions (13, 9) having a diameter D formed continuously from these end plate portions (14, 10), H /D or a ratio of the bottom distance H between the end plate portion (14) of the initiator shell (1) and that (10) of the closure shell (2) to the diameter D of the cylindrical portions (13, 9) is in the range from 0.4 to 1.3 and (A/At) of a ratio of the total sum (A) of the surface areas of gas generants (4) to the total sum (At) of the opening areas of the gas discharge openings (8a, 8b) is in excess of 1300 and not more than 2000~~.